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If you have ambition (and who has not?) you are planning ahead for great things in the future.

Most of those plans require money—and without money the plans will die.

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Capital Subscribed...\$5,000,000
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Have Calls Ever Day.

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J. F. Mergan Co., Ltd.
STOCK BROKERS
Information Furnished and Loans Made.
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Phone 1572.

Honolulu Stock Exchange

Tuesday, Jan. 13.

MERCANTILE	Bid	Asked
Alexander & Baldwin		
C. Brewer & Co.		
SUGAR		
Ewa Plantation Co.	13 1/4	14
Haleiuga Sugar Co.	80	100
Hawaiian Agric. Co.		
H. C. & S. Co.	21 1/2	21 3/4
Hawaiian Sugar Co.	20	
Honokaa Sugar Co.	2	
Honolulu Sugar Co.	50	
Hutchinson Sug. Pft. Co.	5	
Kahuku Plantation Co.	7 1/2	
Kekaha Sugar Co.	62 1/2	92 1/2
Koloa Sugar Co.	1	1 1/4
McBryde Sugar Co. Ltd.	10 1/2	
Oahu Sugar Co.	60	
Olaa Sugar Co. Ltd.	15	15 1/2
Onomea Sugar Co.	5	
Paeahua Sug. Pft. Co.	80	
Pacific Sugar Mill	80	100
Pala Plantation Co.	50	
Pepee Sugar Co.	16 1/2	17
Pioneer Mill Co.	50	57 1/2
Waialua Agric. Co.	125	
Waialua Sugar Co.	20	
Waimanalo Sugar Co.	37 1/2	38
MISCELLANEOUS		
Haleiuga Pft. & Pkg. Co. Ltd.	18 1/2	19 1/2
Hawaiian Electric Co.	105	
Hawaiian Irr. Co. Ltd.	105	
Hawaiian Pineapple Co.	155	200
Hilo R. R. Co. Pfd.	125	
H. B. & M. Co. Ltd.	125 1/2	127 1/2
Hon. Gas Co. Pfd.	105	
Hon. Gas Co. Com.	105	
H. R. T. & L. Co.	125	
H. S. N. Co.	125 1/2	
Mutual Telephone Co.	125 1/2	
O. R. & L. Co.	125 1/2	
Pahang Rubber Co.	125 1/2	
Panama Ok Rubber Co.	125 1/2	
BONDS		
Hankins Ditch Co. 6s.		
H. C. & S. Co. 5s.		
Hawaiian Irr. Co. 6s.		
Haw. Ter. 4s. Ref. 1905.		
Haw. Ter. 5s. Pub. Imp.		
Haw. Ter. Pub. Imp. 4s.		
Haw. Ter. 4 1/2s.		
Haw. Ter. 4 1/2s.		
H.R.R. Co. 1901 6s.		
H.R.R. Co. R. & E. Con. 0s.		
Honokaa Sugar Co. 6s.		
Hon. Gas Co. Ltd. 5s.		
H. R. T. & L. Co. 6s.		
Kauai Ry. Co. 4s.		
Kohala Ditch Co. 6s.		
McBryde Sugar Co. 6s.		
Mutual Tel. 6s.		
Natoma Con. 6s.		
Oahu Sugar Co. 6s.		
Olaa Sugar Co. 6s.		
Pae. Guano & Fert. Co. 6s.		
Pacific Sugar Mill Co. 6s.		
Pioneer Mill Co. 6s.		
San Carlos Milling Co. 6s.		
Waialua Agric. Co. 6s.		

Between Bonds—200 H. C. & S. Co. 21 1/2, 45 H. C. & S. Co. 21 1/2, 20 H. C. & S. Co. 21 1/2, 10 Oahu Sugar Co. 10 1/2.

Session Sales—5 Ewa 14, 5 Ewa 14, 5 Ewa 14, 100 Ewa 14, 70 Ewa 14, 5 H. B. & M. Co. 18 1/2, 5 H. B. & M. Co. 18 1/2.

Latest sugar quotations, 2.29 cents or \$25.90 per ton.

Sugar 3.29cts
Beets 9s 1 3-4d

Henry Waterhouse Trust Co., Ltd.
Members Honolulu Stock and Bond Exchange
FORT AND MERCHANT STREETS
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For Sale
Lots off Emma and School Sts. in the Perry Tract.
From \$400 to \$550 each.
\$50 cash, balance \$10 per month.
Exceptional Bargain.

P. E. R. STRAUCH
Wally Bldg. 74 S. King St.

FOR RENT
New, furnished 2-bedroom cottage; screened; gas; electricity; \$35.
Beautiful new 2-bedroom cottage; screened; gas; electricity; \$28.
New cottage; 2 bedrooms and large sleeping porch; all screened; gas; electricity; fine lawn; \$32.

J. H. Schnack,
Represented during absence by F. Schnack, Attorney-at-law, 5 Brewer Building. Telephone 3633.

BOOSTERS

Taxi Shares
Splendid feature for future Hawaii. Opportunity of a life time. Become a Shareholder in this WHITE LINE TAXICAB CO. now being incorporated. For Further Particulars Apply to GEO. S. IKEDA 78 Merchant St.

Confidence is the stepfather of success.

The man whose specialty is making excuses never makes good.

When a scandal is born in your family watch the neighbors help it grow.

DAILY REMINDERS

Kua Lei Aloha—in the window—Honolulu Music Co., King street.—advertisement.

Wanted—Two more passengers for round-the-island trip in 1914 Pierce-Arrow or Locomobile. Lewis Stables, phone 2141.—advertisement.

The monthly meeting of the Outdoor Circle will be held Tuesday, January 13, at 3 p. m. at the home of Mrs. F. J. Lowrey, Lanailo and Victoria streets. Reports from all neighborhood circles.—advertisement.

Do you know that a copy of "Bits of Verse from Hawaii" will make one of the nicest holiday presents that you could send to your friend on the mainland? You can find it at any of the bookstores.—advertisement.

GUARD OFFICERS DISCUSS PLANS FOR TOURNAMENT

Matters pertaining to the military tournament that is to open the new national guard army the second week in February, were discussed at length last night by the guard officers at their monthly meeting at the Bunko. Eighteen regimental officers, and Colonel J. W. Jones, the adjutant general, were present.

It was decided to admit enlisted men of the guard, in uniform, to both evenings' entertainments free of charge, and for the first evening, the dances for enlisted men, every enlisted man of the guard will be allowed to bring in a lady. The second dance for commissioned officers, the men will be allowed in free, but there will be no privileges for ladies.

On both evenings the men of the regular service will be charged only 25 cents admission. General admission on the first night will be 75 cents and on the second night \$1.

Tickets for the affair will be distributed among the individual members of the national guard, and in addition, the Ad Club will be asked to help out with the sale. The proceeds of the two-day tournament are to be applied to furnishing the new armory, and making the company rooms habitable.

The tournament is set for Thursday and Friday, February 12 and 13, these being the dates best suited to the outside companies, and to the general carnival program.

PERSONALITIES

A. F. JUDD returned this morning in the Mauna Kea from a business trip to Maui.

J. N. S. WILLIAMS is back from a Maui trip. He was a passenger in the steamer Mauna Kea.

LIEUT. COL. J. F. MORRISON of the 31st Infantry was an arrival from the Coast in the transport Logan.

SECOND LIEUT. IVAN JONES was numbered among the military passengers returning to the islands in the U. S. transport Logan this morning.

MRS. MARY D. CHEATHAM, wife of Major Cheatham of the U. S. quartermaster department, returned from a trip to the Coast in the transport Logan.

E. J. LORD, who has been looking after the work at Hilo breakwater, was numbered among the passengers returning to Honolulu in the steamer Mauna Kea.

SHD SPITZER is to leave on a business trip to Maui and Hawaii in the steamer Mauna Kea tomorrow.

T. A. BURNINGHAM is booked for Maui and Hawaii ports in the inter-island steamer Mauna Kea, sailing for the big island tomorrow.

WANTED

TOO LATE TO CLASSIFY

SITUATION WANTED

German lady wants care of children, general house work, cooking; 2096 Puunui St. 5751-61.

FURNISHED HOUSE.

House completely furnished, 1331 W. Helmina Rise, Kaimuki; two minutes from car. Apply Nieper, on premises. 5751-31.

FOR RENT.

A SNAP.
Four-room bungalow, 1025 West Fifth avenue, Kaimuki. Modern conveniences, lawn and fruit trees. four minutes' walk from carline; only \$16.50 per month. Apply E. O. Farm, P. O. Box 452. 5751-21.

LOST.

Dividend Warrant No. J-8586 dated Dec. 31, 1913, drawn by Ewa Plantation Co. on the Bank of Hawaii, Limited, payable to the order of Bertha Lanz for \$2.25. Payment of said warrant has been stopped. 5751-11.

Between Pacific Heights and King St., a bunch of keys. Reward at this office. 5751-31.

PIANO LESSONS.

Mrs. Hodgson. Experienced teacher of Piano. Branch studio 177 Beretania cor. Union. Interviews 4 to 6. 5751-1m.

EFFECT OF HEAT ON SOIL OF HAWAII TITLE OF BULLETIN FROM CAPITOL

"The Effect of Heat on Hawaiian Soils" is the title of a lengthy bulletin just off the government presses at Washington. On the title page appear the names of W. P. Kelley and William McGeorge, chemist and assistant chemist respectively at the federal agricultural station here.

The bulletin, which covers 40 pages, treats its subject in a remarkably clear and complete way, and will no doubt be of both scientific and practical value here. At the conclusion of the treatise a summary is given, and from it can be seen the scope of the work and conclusions reached. The following is the summary.

(1) Twelve different soils representing a wide range of types and agricultural conditions were studied with reference to the effects of heating to 100 deg. C., to 250 deg. C., and to ignition. The solubility of all the mineral constituents except sodium was determined, using water and fifth-normal nitric acid as solvents. The effects on the nitrogen compounds were also investigated.

(2) The results showed considerable variation. Neither the absolute nor the relative solubility of the inorganic constituents were effected similarly in all the samples studied.

(3) On the average, drying at 100 deg. C. was found to bring about an increase in the water soluble manganese, lime, magnesium, phosphoric acid, sulphates and bicarbonates. At this temperature an increase in the solubility of potash, silica, and alumina was produced in about 50 per cent of the soils examined, but a decrease was observed in the solubility of these elements in some instances. The solubility of iron was decreased in most instances.

(4) Heating to 250 deg. C. or ignition produced effects on the solubility in water similar to those brought about at 100 deg. C., but varying in degree, these being sometimes greater, sometimes less in intensity than those produced at 100 deg. C.

(5) The solubility in fifth-normal nitric acid was not greatly affected by heating to 100 deg. C., but in instances heating to 250 deg. C. considerably increased the solubility of alumina, manganese, potash, and phosphoric acid and at the same time effected a reduction in the solubility of lime and magnesia. Upon ignition the solubility of silica, alumina, potash, phosphoric acid and sulphates was increased, while the solubility of lime and magnesia underwent a corresponding decrease.

(6) The solubility of soils used in aquatic agriculture is abnormally high, but upon drying out these become much less soluble and approach a state similar to that existing in aerated soils. When such soils are heated after drying they seem to undergo changes of the same order as are produced in dry-land soils.

(7) No single factor is sufficient to cover the solubility effects resulting from heating Hawaiian soil. On the other hand, the subject is very complex and involves many factors. Among the more important of these may be mentioned flocculation, decoloration of manganese, dioxide, oxidation, particularly of iron, double decomposition, dehydration, and the attending physical alterations of soil films. Such alteration would destroy film pressure, thus allowing the solvent to come into more intimate contact with the soil constituents. At the higher temperatures bicarbonates become converted into normal carbonates, thus effectively lowering the solubility of lime and magnesia.

(8) Nitrates undergo decomposition with heat, a decrease in nitrate content having been found to take place at 150 deg. C., while at 200 deg. or 250 deg. C. practically total destruction of nitrates took place.

(9) One of the noteworthy effects of soil heating is the production of ammonia, which at 200 deg. C. was formed in abnormally large amounts. Soil subjected to heat from brush burned in the field was found to undergo stimulated ammonification after heating. Nitritation, on the other hand, was not restored after the lapse of two months.

(10) Heating to 200 deg. C. caused a loss of approximately 25 per cent of the total nitrogen. A loss of nitrogen and the ammonia formed by the action of heat came largely from the monamine acid group, while the amide and diamine acid sustained much less loss.

(11) The results of these studies are believed to throw important light on the subject of soil aeration and consequently have a direct bearing on the practical question of soil management.

NEW TODAY

COMMISSIONERS' SALE OF VALUABLE REAL ESTATE.

Situate in Honolulu, City and County of Honolulu, Territory of Hawaii.

Pursuant to a decree made by the Honorable William L. Whitney, Second Judge of the Circuit Court of the First Circuit of the Territory of Hawaii, on the 18th day of December, A. D. 1913, at Chambers in Equity, in an action entitled "The First American Savings and Trust Company of Hawaii, Limited, a corporation, Complainant, vs. Lily T. Goo and Tai Chong Goo, also known as Goo Tai Chong, Respondents, Equity Division No. 181, the undersigned, as Commissioner duly appointed and constituted as such by said Decree, will sell, at Public Auction, to the highest and best bidder for cash, subject to confirmation by the Court, on Saturday, the 7th day of February, 1914, at 12 o'clock noon of said day, at the front (mauka) entrance of the Judiciary Building, in Honolulu, City and County of Honolulu, Territory of Hawaii, all that certain piece or parcel of land in Honolulu, City and County of Honolulu, Territory of Hawaii, situate at Pawaia, and being a portion of Land Commission Award No. 529, conveyed to the respondent Lily T. Goo by deed of Agnes Punana Ching Hoon and husband, dated February 29, A. D. 1911, and recorded in the office of the Registrar of Conveyances of the Territory of Hawaii, at said Honolulu, in Liber 111, at page 111, and more particularly described as follows, to-wit:

Commencing at a point on the makai side of Young Street, said point being the Northeast corner of a lot conveyed to George H. Paris by deed of Alfred W. Carter and wife, dated March 15, 1898, and recorded in Liber 177, pages 393 et seq., and running by true bearings:

S. 20° 42' W. 115 feet along the West line of Wright lot;
N. 68° 48' W. 47 feet on a line parallel with Young Street;
N. 20° 22' E. 115 feet on a line parallel with said Wright lot;
N. 68° 48' E. 47 feet along the makai line of Young Street to point of commencement;

Together with the right and privilege to take water from the pipe or main running through said premises from an artesian well situate and being on Lot 7, by connecting with said pipe or main with a two-inch pipe; said water to be used on said premises and none other.

Terms of Sale: Cash in United States Gold Coin; ten per cent (10%) of the purchase price to be paid on the fall of the hammer; balance upon confirmation of sale by the Court, and delivery of deed by the Commissioner. Deed to be at the expense of purchaser.

For further particulars apply to E. C. Peters, Esq., attorney for petitioner, at his office, McCandless building, corner King and Bethel streets, Honolulu, James F. Morgan Co., Ltd., or to the undersigned at his office in the Judiciary building, in Honolulu aforesaid.

JOHN MARCULLINO,
Commissioner.

Dated, Honolulu, T. H., January 12th, A. D. 1914.
5751-Jan. 13, 15, 20, 22, 29, Feb. 3, 5.

"CASCARETS" ALWAYS STRAIGHTEN YOU UP

If Costive, Headache, Bilious, Stomach Sour, Breath Bad—Clean your Liver and Bowels

Get a 10-cent box now. You men and women who can't get feeling right—who have headache, coated tongue, foul taste and foul breath, dizziness, can't sleep, are bilious, nervous and upset, bothered with a sick, gassy, disordered stomach, or have back-ache and feel worn out.

Are you keeping your bowels clean with Cascarets, or merely forcing a passageway every few days with salts, cathartic pills or castor oil?

Cascarets work while you sleep; cleanse the stomach, remove the sour, undigested, fermenting food and foul gases; take the excess bile from the liver and carry out of the system all the constipated waste matter and poison in the bowels.

A Cascaret tonight will straighten you out by morning—a 10-cent box from any drug store will keep your stomach sweet; liver and bowels regular and head clear for months. Don't forget the children. They love Cascarets because they taste good—never gripe or sicken.—advertisement.

WEST POINT GRADS. OF 1902 TO GATHER AROUND BANQUET BOARD TONIGHT

Graduates from the military academy at West Point of 1902, accompanied by their wives will gather at the Moana Hotel tonight, in the first class reunion ever held in the Department of Hawaii. There are nine graduates of this class in Honolulu and vicinity at the present time and all will be present at the festive board, this evening, when reminiscences of the old days will be exchanged.

Among those who will be in attendance are: Captain and Mrs. William H. Monroe, Captain Ned B. Rehkopf, Lieut. and Mrs. Hoer Preston, Lieut. and Mrs. Dorsey Rodney, Lieut. and Mrs. Frederick F. Black, Lieut. and Mrs. C. H. Rich, Captain and Mrs. Birch Mahaffee, Lieut. and Mrs. Orville N. Tyler and Captain and Mrs. Warren T. Hennam.

Occasionally a young man who begins by sowing wild oats ends by reaping a grass widow.

Masonic Temple

Weekly Calendar

MONDAY:
Honolulu Lodge No. 409. Stated meeting, 7:30 p. m.

TUESDAY:
WEDNESDAY:
Hawaiian No. 21. First Degree.

THURSDAY:
Honolulu Chapter No. 1, R. A. M. Installation.

FRIDAY:
Honolulu Commandery No. 1, K. T. Installation.

SATURDAY:
Harmony Chapter No. 4. Regular.

All visiting members of the order are cordially invited to attend meetings of local lodges.

HONOLULU LODGE, 614, E. P. O. B.

Honolulu Lodge No. 416, E. P. O. B. Meets in their hall, on King St., near Fort. Every Friday evening. Visiting Brothers are cordially invited to attend.

J. L. COKE, E. R. H. DUNN, Sec.

Meet on the 1st and 4th Mondays of each month at K. P. Hall, 7:30 p. m. Members of other Associations are cordially invited to attend.

Wm. McKinley Lodge, No. 6, K. of P.
Meets every 1st and 3d Tuesday evening at 7:30 o'clock in K. P. Hall, cor. Fort and Beretania. Visiting brothers cordially invited to attend.

A. H. AITRENS, C. C. L. B. REEVES, E. R. B.

HONOLULU LODGE No. 399, L. O. O. F.
will meet at their home, corner Fort and Beretania Streets, every Friday evening at 7:30 o'clock. Visiting brothers cordially invited to attend.

G. S. LEITCHHEAD, Acting Dictator, JAMES W. LLOYD, Secretary.

NEW OAHU CARRIAGE MFG. CO.
Wholesale and Retail Dealers in Carriages and Wagon Materials and Supplies.

Carriage Makers and General Repairers, Painting, Blacksmithing, Woodworking and Trimming.

Queen St. nr. Prison Road

YANKEE PROTECTO PLATE AND HOOD

Baking Without an Oven—Only \$1.00 For Sale By

CITY MERCANTILE CO.
24 Hotel, near Nuuanu.

ALOHA DRUG CO.,

Formerly the Teiside Drug Co., is now located at Fort and Beretania Streets, Opp. Fire Station.

HONOLULU COLLECTION AGENCY AND COMMISSION BROKERS.

Union and Hotel Sts. Tel. 485. Reference Bureau, Collections, Attachments, Suits and Claims. No fee for registration.

MAE E. MCKAY, General Manager.

OLD GROWTH YELLOW FIR DOORS.

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75 Puuhai St. Sole Agents.

Start 1914 right by wearing some artistic and distinctive creation in FASHIONABLE MILLINERY from the parlors of MISS POWER, in the Boston block.

CHEMICAL ENGINES AND WATCHMAN'S CLOCKS

For Sale by

J. A. GILMAN

Fort Street

Thayer Piano Co. Ltd. STEINWAY

AND OTHER PIANOS, 156 Hotel Street. Phone 2313. TUNING GUARANTEED

Geo. A. Martin

MERCHANT TAILOR Moved to Wally Bldg., King St., Rooms 4 and 5, over Wells Fargo & Co.

SHOE REPAIRING

At Reasonable Prices MANUFACTURERS' SHOE CO., LTD., Fort near Hotel